PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Company 1995, pages sons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

of

Sheet

23

/PI

/PI / 24

3 613 069

3.654 403

3 674 946

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)

U.S. PATENT DOCUMENTS Examiner Cite Document Number Publication Date Name of Patentee or Pages, Columns, Lines, Where Number-Kind Code² (If known) Initials* MM-DD-YYYY Relevant Passages or Relevant No I Applicant of Cited Document Figures Appear 1,616,639 2/8/27 /PI Sprague 1.764 008 6/17/30 Crozier /BH 2 3 1,799,053 3/31/31 Mache 4 1.809.754 6/9/31 Steedle 3/20/34 5 1.951.669 Ramsev . 12/4/34 /DI 6 1.983.377 Kelloga 2/8/49 PI 2.461.344 Olson 8 2.855.467 10/7/58 Curry /PL q 2 872 532 Buchmann et al /PI 10 2.935.575 5/3/60 Bobb 2.975.243 3/14/61 Katella 3/14/61 /PL 12 2.975.307 Schroeder et al PL. 13 3.008.013 11/7/61 Williamson et al /PL 14 12/5/61 Hagemann 15 6/9/64 3.136.867 Brettell 16 3.345.469 10/3/67 Rod /PI 17 3.373.251 3/12/68 Seeler 18 3.389.226 6/18/68 Peabody 19 3.398.810 8/27/68 Clark III /PI 20 3,461,421 8/12/69 Stover 21 3.544 733 12/1/70 Revlek 22 10/12/71 Clark III

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where			
Initials*	No.1	Country Code3- Number4 - Kind Code5	Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	T ₆		
	_	(i matri)			rigures repeat			
-	_							

Cary, Jr.

Winey

Bobb, deceased

10/12/71

4/4/72

7/4/72

Examiner		Date	
Signature		Considered	·
*EVAME	IED total if account and dead of other as an attention is in a few and state of the con-	Comment of the state of the sta	

www.usdb.gov on MEPF 901 NF. Terr Office that issued the document, by the involved council of the Emperor must precede the certain number of the paster document. Yet for the council of the council of the certain of the certain number of the paster document. Yet for the certain number of the paster document. Yet for of document by the region of the Emperor must precede the senial number of the paster document. Yet for of document by the paperpaste symbols as a folicitated on the document under WIPO Standard ST-1 of passible Agriculture is to globe a check must have for it finding has paged that the council of the certain number of the paster document. Yet for of document by the appropriate symbols as a folicitated on the document under WIPO Standard ST-1 of possible. Applicant is to globe a check must have for it finding that image. Translation is attached.

This collection of information is required by 37 CFR. 197 and 198. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO) or pocess) an application Confidentially is governed by 35 U.S.C. 122 and 37 CFR. 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suggestions for reducing his burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, V. 22313-1450. DO NOT SEXDP EEES OR COMPLETED FORMSTO THIS ADDRESS, SEND TOT-Commissioner for Patents, P.O. Box 1440, Alexandria, V. A. 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Charles C. Allegaro	Complete if Known			
	Substitute for form 1449/PTO	Application Number	10/575,672		
	INFORMATION DISCLOSURE	Filing Date	04/10/06		
	STATEMENT BY APPLICANT	First Named Inventor	James Croft		
	(Use as many sheets as necessary)	Art Unit			
	(and the many process as recessary)	Examiner Name			
Sheet	of	Attorney Docket Number	00025-22151.PCT.US		

			U.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/PL/	26	3,710,332	1/9/73	Tischner et al	
/PL/	27	3,723,957	3/27/73	Damon	
/PL/	28	3,742,433	6/26/73	Kay et al	
/PL/	29	3,787,642	1/22/74	Young Jr.	
/PL/	30	3,821,490	6/28/74	Bobb	
/PL/	31	3,829,623	8/13/74	Willis et al	
/PL/	32	3,833,771	9/3/74	Collinson	
/PL/	33	3,836,951	9/17/74	Geren et al	
JPL/	34	3,892,927	7/1/75	Lindenberg	
/PL/	35	3,919,499	11/11/75	Winey	
/PL/	36	3,941,946	3/2/76	Kawakami et al	
/PL/	37	3,997,739	12/14/76	Kishikawa et al	
/PL/	38	4,015,089	03/29/77	Ishii et al.	
/PL/	39	4,056,742	11/1/77	Tibbetts	
/PL/	40	4,064,375	12/20/77	Russell et al	
PL/	41	4,160,882	7/10/79	Driver	
/PL/	42	4,207,571	6/10/80	Passey	
/PL/	43	4,210,786	7/1/80	Winey	
/PL/	44	4,242,541	12/30/80	Ando	
/PL/	45	4,245,136	1/13/81	Krauel, Jr.	
/PL/	46	4,284,921	8/18/81	Lemonon et al	
/PL/	47	4,289,936	9/15/81	Civitello	
/PL/	48	4,295,214	10/13/81	Thompson	
/PL/	49	4,322,877	4/6/82	Taylor	
/PL/	50	4,378,596	3/29/83	Clark	
/PL/	51	4,385,210	5/24/83	Marquiss	
/PL/	52	4,418,404	11/29/83	Gordon et al	
/PI /	53	4,419,545	12/6/83	Kuindersma	
/PI/	54	4,429,193	1/31/84	Busch-Vishniac et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (⁶ known)	Publication Date MM-DD-YYYY	Name of Patentee Applicant of Cite Document		T ⁶
Examiner Signature				Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of event using logs or MFEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard S1.3). For Japanese planet documents, muration or me year on the reign of the Emperor must precede the serial number of the planet document with the proper must precede the serial number of the planet document with the comment under WIPO Standard ST.10 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required to bottom or retain a benefit by the public which is to file (and by the USPTO to

process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	Onder the Paperwo	ik Reduction Act of 1995, no persons an	e required to respond to a contect	ion of information unless it contains a valid OMB control number.
	0.1.11.1.5.5.5.4.110.0000			Complete if Known
	Substitute for form	1 1449/PTO	Application Number	10/575,672
	TNEODMAT	TION DISCLOSURE	Filing Date	04/10/06
		NT BY APPLICANT	First Named Inventor	James Croft
		v sheets as necessary)	Art Unit	
	(,,, ,		Examiner Name	
heet	of		Attorney Docket Number	00025-22151.PCT.US

.........

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (Fknown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
/PI/	55	4,434,327	2/28/84	Busch-Vishniac et al	rigares repeat	
/PL/	56	4,439,642	3/27/84	Reynard		
/PL/	57	4,471,172	9/11/84	Winey		
/PL/	58	4,480,155	10/30/84	Winey		
/PL/	59	4,550,228	10/29/85	Walker et al		
/PL/	60	4,558,184	12/10/85	Busch-Vishniac et al		
/PL/	61	4,593,160	6/3/86	Nakamura		
/PI /	62	4,593,567	6/10/86	Isselstein et al		
/PL/	63	4,600,891	07/1986	Taylor, Jr. et al.		
/PL/	64	4,672,591	6/9/87	Breimesser et al		
/PI /	65	4,695,986	9/22/87	Hossack		
/PI /	66	4,751,419	6/14/88	Takahata		
/PI /	67	4,784,915	11/15/88	Sakagami et al.		
7PL/	68	4,803,733	2/7/89	Carver et al		
/PL/	69	4,823,908	4/25/89	Tanaka et al		
/PL/	70	4,837,838	6/6/89	Thigpen et al		
/PL/	71	4,885,781	12/5/89	Seidel		
/PL/	72	4,887,246	12/12/89	Hossack et al		
/PL/	73	4,888,086	12/19/89	Hossack et al		
/PL/	74	4,903,703	2/27/90	Igarashi et al		
/PL/	75	4,908,805	3/13/90	Sprenkels et al		
/PL/	76	4,939,784	· 7/3/90	Bruney		
/PL/	77	4,991,148	2/5/91	Gilchrist		
/PL/	78	5,054,081	10/1/91	West		
/PL/	79	5,095,509	03/1992	Volk		
/PI /	80	5,115,672	5/26/92	McShane et al		
/PL/	81	5,142,511	8/25/92	Kanai et al		
/PL/	82	5,153,859	10/6/92	Chatigny et al		
/PI /	83	5,287,331	2/15/94	Shindel et al		

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (8' known)	Publication Date MM-DD-YYYY		me of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ¢
Examiner					Date		

*EXAMINER, Initial If reference considered, whether or not citation is in conformance with MFIP 60°P. Draw line through citation in fine in conformance and not considered include copy of this form with next communication to applicant. "Applicants" is unique citation designation number (opinions). "See Italian Conformance and not considered warming to the form of the first of the citation of the first of the first of the first of the first of the citation of the Conformance and not considered the citation of the Conformance and the Conforman

nax collection innormation in require my 2.74x 137 and 138. The indifficultural requires to down or retain a beniefit by the public which is to lite (and by the CMFT Ore assumed to the control of the c

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

	Under the Paperwork Reduction Act of 1995, no persons ar	e required to respond to a collect	ton of information unless it contains a valid OMB control number.
	Charles C. C. AMMORTO		Complete if Known
	Substitute for form 1449/PTO	Application Number	10/575,672
	INFORMATION DISCLOSURE	Filing Date	04/10/06
	STATEMENT BY APPLICANT	First Named Inventor	James Croft
	(Use as many sheets as necessary)	Art Unit	
	(out as many should as necessary)	Examiner Name	
Sheet	of	Attorney Docket Number	00025-22151.PCT.US

			U.S. PATENT DO		
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/PL/	84	5,317,543	5/31/94	Grosch	
/PL/	85	5,357,578	10/18/94	Taniishi	
/PL/	86	5,392,358	2/21/95	Driver	
/PL/	87	5,430,805	7/4/95	Stevenson et al	
/PL/	88	5,487,114	1/23/96	Dinh	
/PL/	89	5,539,705	07/1996	Akerman et al.	
/PL/	90	5,638,456	6/10/97	Conley et al	
/PL/	91	5,700,359	12/23/97	Bauer	
/PL/	92	5,767,609	06/16/98	Suganuma	
/PL/	93	5,745,582	04/1998	Shimpuku et al.	
7PL/	94	5,758,177	05/1998	Gulick et al.	
/PL/	95	5,859,915	1/12/99	Norris	
/PI /	96	5,885,129	3/23/99	Norris	
/PL/	97	5,889,870	3/30/99	Norris	
/PL/	98	5,892,315	04/06/99	Gipson et al.	
/PL/	99	5,982,805	11/09/99	Kaneda	
/PL/	100	6,011,855	1/4/00	Selfridge et al	
/PL/	101	6,044,160	03/28/00	Norris	
/PL/	102	6,108,427	8/22/00	Norris et al	
/PL/	103	6,064,259	05/2000	Takita	
/PL/	104	6,151,398	11/21/00	Norris	
/PL/	105	6,188,772	2/13/01	Norris et al	
/PL/	106	6,229,899	5/8/01	Norris et al	
/PL/	107	6,232,833	05/2001	Pullen	
/PL/	108	6,304,662	10/16/01	Norris et al	
/PL/	109	6,359,990	03/2002	Norris	
/PL/	110	6,378,010	04/2002	Burks	
/PL/	111	6,445,804	09/2002	Hirayanagi	
/PL/	112	6,556,687	04/290/3	Manabe	
/PL/	113	6,768,376	07/2004	Hoyt et al.	

	FOREIGN PATENT DOCUMENTS								
Exami Initials		Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY		me of Patentee Applicant of Cite Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
Examin						Date			

[&]quot;EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique violation designation number (optional). § See Kinds Codes of USFPO Pater Documents at www.uspfo.gov on WFEP 901.04. § First Office that issued the document, by the worketer code (WIPO Standard ST.3). § For Japances parter documents, indication of the year of the region of the Emperor must precede the serial number of the parter document. § Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1 of if possible * Applicants is to place a check make her if English language Translation is attached.

This collection of information is required by 3 r CFR 1-97 and 1-98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 3 US-C 122 and 3 r CFR 1-14. This collection is estimated to take 2 hours to complication form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducine fibs burden, should be sent to the Chief Information Officer, US-Patent and Trademark Office, P.O. 1950, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-DT-19-199 (1-800-7-86-9-199) and select one-play and procedure of the proc

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Panerwork Reduction Act of 1995, no nersons are required to respond to a collection of information unless it contains a valid OMB control number

Under the Paperwork Reduction Act of 1995, no persons are	required to respond to a collect	ion of information unless it contains a valid OMB control number.	
C 1 17 1 C C 1110 PTO	Complete if Known		
Substitute for form 1449/PTO	Application Number	10/575,672	
INFORMATION DISCLOSURE	Filing Date	04/10/06	
STATEMENT BY APPLICANT	First Named Inventor	James Croft	
(Use as many sheets as necessary)	Art Unit		
, , ,	Examiner Name		
Sheet of	Attorney Docket Number	00025-22151.PCT.US	

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ² (Fkrgwo)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
/PL/	114	6,859,096	02/2005	Tanaka et al.	
/PL/	115	1,643,791	04/1924	Slepian	
/PL/	116	3,012,107	12/1961	Hanlet	
/PL/	117	3,908,098	09/1975	Kawakami et al.	
/PL/	118	3,961,291	06/1976	Harper et al.	
/PL/	119	4,809,355	02/1989	Drefahl	
/PL/	120	5,748,758	05/1998	Menasco, Jr. et al.	
/PL/	121	6,104,825	08/15/00	Thigpen	
/PL/	122	6,108,433	08/22/00	Norris	
/PL/	123	2002/0191808	12/19/02	Croft III. et al.	
/PI /	124	2002/0101360	08/01/02	Schrage	
/PI /	125	6,771,785	08/03/04	Pompei	
/PI/	126	5,662,190	09/02/97	Abe	
/PI /	127	2001/0007591	07/12/01	Pompei	
7PL7	128	6,666,374	12/23/03	Green et al.	
/PL/	129	6,584,205	06/24/03	Croft III	
/PI /	130	6,577,738	06/10/03	Norris et al.	
/PI /	131	3,641,421	02/08/72	Graf et al.	
/PL/	132	4,005,278	01/25/77	Gorike	
/PL/	133	4,265,122	05/05/81	Cook et al.	
/PI /	134	4,418,248	11/29/83	Mathis	
/PI /	135	4,429,194	01/31/84	Kamon et al.	
/PI /	136	4,432,079	02/14/84	Mackelburg et al.	
/PI /	137	4,433,750	02/28/84	Neese	
/PL/	138	5,181,301	01/26/93	Wheeler	
/PL/	139	5,844,998	12/01/98	Nageno	
/PL/	140	4,994,687	02/12/91	Cyaba et al. Fujii et	al.
/PI /	141	5,052,336	04/18/00	towey Fukuchi	
/PI /	142	4,166,197	08/28/79	Moog, et al.	
/PL/	143	2,825,834	07/23/74	Stuart et al.	<u> </u>
			-		
		16.1		· · · · · · · · · · · · · · · · · · ·	

*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Daw line through citation if not in conformance and not considered include copy of this form with nest communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Platert Documents at www.sugio.gov/. The reparters period document, by the two-letter code (WIPO Standard ST.3). For Paparers period documents, indication of the period for the region of the Emperor managereeds the serial number of the paster document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check make here! Elegisher hangings: Transitions is starched.

This collection of information is required by 37 CFR 1.57 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including guidening, preparing, and spilication. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including guidening, preparing, and submitting the completed application from the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S.Peter for Hornard For Commission of Partners, Pos. Dos. 1459, Alexandria, VA 22313-1459, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TC. Commissioner for Patents, P. Dos 1459, Alexandria, VA 22313-1459.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

	Onder the Paperwork Reduction Act of 1995, no persons are required to respond to a confection of information unless it contains a valid OMB control number						
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Complete if Known		
			1449/PTO	Application Number	10/575,672		
			ON DISCLOSURE	Filing Date	04/10/06		
				First Named Inventor	James Croft		
				Art Unit			
				Examiner Name			
Sheet		of		Attorney Docket Number	00025-22151.PCT.US		

Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Internal)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant	Τ¢
144	H2-265400	10/30/90	Sony Corporation		-
145	WO 01/08449	2/1/01	Sennheiser Electronic		
146	WO 01/52437	7/19/01	Pompei		_
147	JP 2265397	10/1990	Matsushita Electric Works LTD		
148	JP 360021695A	02/04/85	Shiyouichi Sasabe		
149	EP 0 973 152	01/19/00	Massachusetts Institute of Tech		
150	EP 0 599 250	06/01/94	Cano Kabushiki Kaisha		_
151	WO 99/35881	07/15/99	Sony Corporation		
152	WO 01/33902	05/10/01	ATC		
153	WO 99/35884	07/15/99	ATC		
J154	WO 98/49868	04/30/98	ATC		
				1	
	144 145 146 147 148 149 150 151	No. 1 Country Code2- Number* – Kind Code5 (Section 2006) 1444 H2.265400 145 W0 01708449 146 W0 01728437 147 JP 2265397 148 JP 36021695A 149 LEP 0 973 152 150 EP 0 589 250 151 W0 99/35881 152 W0 01/33902	Cite Foreign Patent Document Publication Date MM-Db-YYYY No. 1 Country Code ³ - Number ⁴ – Kind Code ⁵ Publication Date MM-Db-YYYY 145 WO 01/08449 27/071 146 WO 01/08449 27/071 147 JP 255397 10/1990 148 JP 360021695A 02/04/85 149 EP 0 973 152 01/19/00 150 EP 0 599 250 06/01/94 151 WO 99/35881 07/15/99 152 WO 01/33902 05/10/01 153 WO 99/35884 07/15/99	Cite No.1 Foreign Patent Document Country Code ³ . Number ⁴ - Kind Code ⁴ (Web 12000000000000000000000000000000000000	No. Country Code2- Number

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patern Documents at www.uston.gov of MPEP 901.04. *Their Office that issued the document, by the worlester code (WPPO Standard ST.3). *For Japanese pater documents, indication of the year of the reign of the Emperor must precede the serial number of the patern document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 of possible. *Applicant is to place a check mark here if English language Translations is statched.

This collection of information is required by 3 T CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including againering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patient and Trademark Office, P.O. Box 1450, (Alexteding, VA 22313-1450, DON OT SEND FEES OR COMPLETED FORMSTO THIS ADDRESS SENTO TO: Commissioner for Partner, P.O. Box 1450, (Alexteding, VA 22313-1450).

If you need assistance in completing the form, call I-800-PTO-9199 (I-800-786-9199) and select option 2.

PTO/SB/08B (04-07)

Approved for use through 09/30/2007. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO			Complete if Known		
Substitute to to the property of the property		Application Number	10/575,672		
	MATION DIS		Filing Date	4/10/2006	
STATEMENT BY APPLICANT			First Named Inventor	CROFT, JAMES J. III	
(Use as many sheets as necessary)			Art Unit		
			Examiner Name		
Sheet	of		Attorney Docket Number	00025-22151.PCT.US	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ilem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/PL/	1	ULTRASONIC RANGING SYSTEM by Polaroid Corporation, date unkn 19 pages.	own,
/PL/	2	EXCERPTS FROM ON COMBINATION TONES by Helmholtz, Editor's Comments on Paper 16, pages 228-238, date unknown.	
/PL/	3	AOKI, KENICHI et al. "PARAMETRIC LOUDSPEAKER - CHARACTERISTICS OF ACOUSTIC FIELD AND SUITABLE MODULATION OF CARRIER ULTRASOUND, Electronics and Communications in Japan, Part 3, Vol. 174, No. 9, pp. 76-62 (1991)	
/PL/	4	MAKAROV, et al. "PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR", Acustica, Vol. 77, pp. 240-242 (1992)	
/PL/	5	YONEYAMA, et al,THE AUDIO SPOTLIGHT: AN APPLICATION OF NONLINEAR INTERACTION OF SOUND WAVES TO A NEW TYPE OF LOUDSPEAKER DESIGN, J. Acoustical Society of America 73(5), May 1983, ages 1532-1536	
/PL/	6	CRANDALL, I.B. "The Air-Damped Vibrating System: Theoretical Calibration of the Condenser Transmitter, American Physical Society, Dec. 28, 1917, pages 449-460	
/PL/	7	Peter J. W., "PARAMETRIC ACOUSTIC ARRAY", The Journal of the Acoustical Society of America, Volume 35, Number 1, April 1963, pages 535-537	
/PL/	8	Wagner, Ronald, ELECTROSTATIC LOUDSPEAKER DESIGN AND CONSTRUCTION, Chapters 4 and 5, pages 59-91, Audio Amateur Press Publishers, 1993	
/PL/	9	BERKTAY, H.O. "POSSIBLE EXPLOITATION OF NON-LINEAR ACOUSTICS IN UNDERWATER TRANSMITTING APPLICATIONS", Department of Electronic and Electrical Engineering University of Birmingham, Edgobaston, Birmingham 15, England (Received April 13, 1965)	
/PL/	10	BERKTAY, H.O. et al. "Arrays of Parametric Receiving Arrays," The Journal of the Acoustical Society fo America, pp. 1377-1383.	

Examiner	Date	
Signature	Considered	
TOTAL DEPT. LEVELY AND ADDRESS OF THE PARTY		

Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Agolican's unique collation designation number contential and applications between the part of the p

PTO/SB/08B (04-07)

Approved for use through 09/30/2007. OMB 0651-0315
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO			t of 1995, no persons an	e required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known		
Substitute for form 1449/1 TO				Application Number	10/575,672	
INFO	DRMATION	DIS	CLOSURE	Filing Date	4/10/2006	
STATEMENT BY APPLICANT				First Named Inventor	CROFT, JAMES J. III	
	Ales se many chos	40.00.0		Art Unit		
(Use as many sheets as necessary)			ecessary)	Examiner Name		
Sheet		of		Attorney Docket Number	00025-22151.PCT.US	

	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, joumal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
/PL/	11	PIWNICKI, KONRAD, "Modulation Methods Related to Sine-Wave Crossings" IEEE Transactions on Communications, 1983, pgs. 503-508, Vol. COM-31, No. 4.					
/PL/	12	MARVASTI, FAROKH, "Modulation Methods Related to Sine Wave Crossings" IEEE Transactions on Communications, 1985, pgs. 177-178, Vol. COM-33, No 2.					
/PL/	13	Pompel; The Use of Airborne Ultrasonics for Generating Audible Sound Beams; Presented at the 105th Convention 1998 September 26-29.					
/PL/	14	MOFFETT et al. "Model for parametric acoustic sources." J. Acoust. Soc. Am., Feb 1977, pgs. 325-337, Vol. 61. No. 2					
/PL/	15	Kamakura, et al.; Suitable Modulation of the Carrier Ultrasound for Parametric Loudspeaker; Acustica Vol. 73 (1991), 3 pages.					
/PL/	16	Berktay, et al.; Nearfield effects in end-fire line arrays; The Journal of the Acoustical Society of America; 1973; pgs. 550-556					
/PL/	17	KAMAKURA et al. "Developments of Parametric Loundspeaker for Practical Use." 10th International Symposium on Nonlinear Acoustics, 1984, pages 147-150.					
/PL/	18	Muir, et al.; Parametric Acoustic Transmitting Arrays; The Journal of the Acousticval Society of America; 1972; pgs. 1481 – 1485					
/PL/	19	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 2 pages, date unknown	١.				
/PL/	20	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 11 pages. date unknown	m.				

Examiner		Date	
Signature		Considered	
*EVAMINED: I	pillet if reference generatored subother as not citation in in another as an HDCD 60	O Describes the sure	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the low which is to find by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 12 and 37 CFR 1.17. This collection is estimated to back 2 hours to complete, including

to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including a partial property of the control of the USPTO. This will vary depending upon the individual case. Any comments on the amount of time you require to complete this form andors suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DNOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (04-07)

Approved for use through 09/30/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	der the Paperwork Reduction te for form 1449/PTO	n Act of 1995, no persons ar	re required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known		
0000000	10 10 10 11 1445/1 10		Application Number	10/575,672	
	ORMATION D		Filing Date	4/10/2006	
STATEMENT BY APPLICANT			First Named Inventor	CROFT, JAMES J. III	
	(Use as many sheets a	ie nocossary)	Art Unit		
	(coo do many america	io necessary,	Examiner Name		
Sheet	0	of	Attorney Docket Number	00025-22151.PCT.US	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/PL/	21	WILLETTE et al. "Harmonics of the difference frequency in saturation-limited parametric sources." J. Acoust. Soc. Am., Dec. 1977, pgs. 1377-1381, Vol. 62, No. 6.	

*EYAMINED: I	shield if and		011201011
Signature	/Ping Lee/	Considered	01/28/2011
Examiner	ame to the	Date	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique clastion designation number (portional). 2 Applicants is to piace a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confiderability is governed by 38 U.S. C. 122 and 7 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time by on require to complete ins form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tradens Office, P.O. et 450, Alexandris AV 2213-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1459, falexandris AV 2213-1450.